ELSEVIER International Journal of Mass Spectrometry and Ion Processes 153 (1996) 201

International Journal of Mass Spectrometry and Ion Processes

Author Index

Andersen, U.N., 1
Aregbe, Y., 79

Bahr, U., 9
Baranov, V.I., 161
Basner, R., 65
Becker, K., 65
Bederski, K., 139
Beijersbergen, J.H.M., 119
Blasco, T., 101
Bohme, D.K., 161
Bojesen, G., 1
Bouchoux, G., 37

Chen, C., 29
Chow, C.C.Y., 49

De Bièvre, P., 79
de Maaijer-Gielbert, J., 119
Deutsch, H., 65

Foest, R., 65
Frei, R., L7

Georgiou, E., 129
Goodings, J.M., 49
Griffiths, I.W., 57

Han, S.-J., 87

Harris, F.M., 57
Hillenkamp, F., 9
Hopkinson, A.C., 161
Huey, L.G., 145

Iannotta, S., 23

Ketvirtis, A.E., 161
Kistemaker, P.G., 119
Kumar, S., 79
Kurunczi, P., 65

Lautz, C., 9
Leblanc, D., 37
Lee, A.R., 57
Li, Q., 29
Li, W.-K., 29
Liere, P., 101
Lüder, Ch., 129

Ma, X., 29
March, R.E., 101
Mayer, K., 79
Meisel, T., L7
Milani, P., 23

Nägler, T.F., L7
Newson, K.A., 151

Pal, S., 79

Piseri, P., 23
Prakash, S., 79
Price, S.D., 151

Ran, Q., 29
Röhling, U., 9

Salpin, J.Y., 37
Schalley, C.A., 173
Schmidt, M., 65
Schröder, D., 173
Schürenberg, M., 9
Schwarz, H., 173
Sheng, L., 29
Shin, S.K., 87
Sigeneger, F., 65
Strupat, K., 9

Tabet, J.-C., 101

Valkiers, S., 79
Velegrakis, M., 129

Weeding, T.L., 119
Wójcik, L., 139

Yu, S., 29

Zhang, Y., 29

ELSEVIER International Journal of Mass Spectrometry and Ion Processes 153 (1996) 203–206

International Journal of Mass Spectrometry and Ion Processes

Subject Index

Ab initio calculations
Experimental and theoretical study of the photoionization and dissociative photoionizations of carbon tetrachloride 29
Atmospheric/anthropogenic noble gases
Comparative isotopic measurements on xenon and krypton 79

Benzene
Surface-induced dissociation of benzene on a PFPE liquid insulator in a time-of-flight mass spectrometer 119
Bracketing and kinetic methods
A relationship between the kinetics and thermochemistry of proton transfer reactions in the gas phase 37

Charge detector
A charge detector for time-of-flight mass analysis of high mass ions produced by matrix-assisted laser desorption/ionization (MALDI) 9
Chemical ionization
The kinetics of the reactions of Cl^-, O^-, and O_2^- with HNO_3: implications for measurement of HNO_3 in the atmosphere 145
Cluster ions
Gas-phase ion/molecule reactions of doubly charged clusters of Fe^{2+} or Mn^{2+} and methanol with ammonia 1
Clusters
Studies on the production and stability of large C_N^+ and $M_x^+R_N$ (M = C, Si, Ge and R = Ar, Kr) clusters 129
Clusters in molecular beams
Parameterization of a two-stage mass spectrometer performing second-order space focusing 23
Coincidence spectroscopy
The formation and dissociation of the ozone dication 151
Collision-induced dissociation
Resonance excitation in a quadrupole ion trap: modification of competing dissociative channel yields 101
Comparative measurements
Comparative isotopic measurements on xenon and krypton 79
Cooling time
Resonance excitation in a quadrupole ion trap: modification of competing dissociative channel yields 101
Cross-section
Dissociative ionisation of methane by electron impact 79
Electron impact ionization of tetramethylsilane (TMS) 65

Density-functional theory
Theoretical and experimental studies of F_3SiCO^+ and F_3SiOC^+ 161
Discrimination coefficient
Determination of the ion transmission coefficient for a mass spectrometer with a quadrupole ion analyzer 139
Dissociation
Dissociative ionisation of methane by electron impact 79
Doped clusters
Studies on the production and stability of large C_N^+ and $M_x^+R_N$ (M = C, Si, Ge and R = Ar, Kr) clusters 129
Double ionization
The formation and dissociation of the ozone dication 151
Doubly charged ions
Gas-phase ion/molecule reactions of doubly charged clusters of Fe^{2+} or Mn^{2+} and methanol with ammonia 1

Electron
Dissociative ionisation of methane by electron impact 79

Electron impact ionization
Electron impact ionization of tetramethylsilane (TMS) 65
Electron ionization
The formation and dissociation of the ozone dication 151
Electron-capture reactions
Triple-electron capture by fast-moving doubly charged ions in single collisions with xenon atoms 57

F_3SiCO^+ structures and stabilities
Theoretical and experimental studies of F_3SiCO^+ and F_3SiOC^+ 161
Faraday cup
A charge detector for time-of-flight mass analysis of high mass ions produced by matrix-assisted laser desorption/ionization (MALDI) 9
Flames
Ion–ion recombination of H_3O^+ with I^- and PO_3^-/PO_2^- in flames 49
Flowing afterglow
The kinetics of the reactions of Cl^-, O^-, and O_2^- with HNO_3: implications for measurement of HNO_3 in the atmosphere 145
Fullerenes
Studies on the production and stability of large C_N^+ and $M_x^+R_N$ (M = C, Si, Ge and R = Ar, Kr) clusters 129

Gas-phase
A relationship between the kinetics and thermochemistry of proton transfer reactions in the gas phase 37
Gas-phase ion chemistry
Theoretical and experimental studies of F_3SiCO^+ and F_3SiOC^+ 161

HNO_3
The kinetics of the reactions of Cl^-, O^-, and O_2^- with HNO_3: implications for measurement of HNO_3 in the atmosphere 145
Hydronium
Ion–ion recombination of H_3O^+ with I^- and PO_3^-/PO_2^- in flames 49
Hydroperoxy methyl radical
A neutralization–reionization mass spectrometric study of alkyl hydroperoxide cation radicals and four distinguishable $[C,H_3,O_2]^+$ isomers 173

Iodine
Ion–ion recombination of H_3O^+ with I^- and PO_3^-/PO_2^- in flames 49
Ion cyclotron resonance
Nonlinear oscillations in ion cyclotron resonance 87
Ion detector
A charge detector for time-of-flight mass analysis of high mass ions produced by matrix-assisted laser desorption/ionization (MALDI) 9
Ion source
Determination of the ion transmission coefficient for a mass spectrometer with a quadrupole ion analyzer 139
Ion–ion recombination
Ion–ion recombination of H_3O^+ with I^- and PO_3^-/PO_2^- in flames 49
Ion/molecule reactions
Gas-phase ion/molecule reactions of doubly charged clusters of Fe^{2+} or Mn^{2+} and methanol with ammonia 1
The kinetics of the reactions of Cl^-, O^-, and O_2^- with HNO_3: implications for measurement of HNO_3 in the atmosphere 145
Ionisation
Dissociative ionisation of methane by electron impact 79
Isotope measurements
Efficient N-TIMS rhenium isotope measurements on outgassed tantalum filaments, very low filament blanks determined by a "standard addition" approach L7
Isotope ratios
Comparative isotopic measurements on xenon and krypton 79
Isotopic composition of xenon (krypton)
Comparative isotopic measurements on xenon and krypton 79

Kinetic energy release
A neutralization–reionization mass spectrometric study of alkyl hydroperoxide cation radicals and four distinguishable $[C,H_3,O_2]^+$ isomers 173
Kinetics and thermochemistry relationship
A relationship between the kinetics and thermochemistry of proton transfer reactions in the gas phase 37

"Magic" numbers
Studies on the production and stability of large C_N^+ and $M_x^+R_N$ (M = C, Si, Ge and R = Ar, Kr) clusters 129
MALDI
A charge detector for time-of-flight mass analysis of high mass ions produced by matrix-assisted laser desorption/ionization (MALDI) 9

Mass resolution
A charge detector for time-of-flight mass analysis of high mass ions produced by matrix-assisted laser desorption/ionization (MALDI) 9
Metal ions
Gas-phase ion/molecule reactions of doubly charged clusters of Fe^{2+} or Mn^{2+} and methanol with ammonia 1
Methane
Dissociative ionisation of methane by electron impact 79
Methyl peroxy radical
A neutralization–reionization mass spectrometric study of alkyl hydroperoxide cation radicals and four distinguishable $[C,H_3,O_2]^+$ isomers 173
MS/MS
Gas-phase ion/molecule reactions of doubly charged clusters of Fe^{2+} or Mn^{2+} and methanol with ammonia 1
Multi-collision CID
Theoretical and experimental studies of F_3SiCO^+ and F_3SiOC^+ 161

Negative ions
Efficient N-TIMS rhenium isotope measurements on outgassed tantalum filaments: very low filament blanks determined by a "standard addition" approach L7
Neutralization–reionization mass spectrometry
A neutralization–reionization mass spectrometric study of alkyl hydroperoxide cation radicals and four distinguishable $[C,H_3,O_2]^+$ isomers 173
Nonlinear oscillations
Nonlinear oscillations in ion cyclotron resonance 87

Ozone dication
The formation and dissociation of the ozone dication 151

Perfluorinated polyether surface
Surface-induced dissociation of benzene on a PFPE liquid insulator in a time-of-flight mass spectrometer 119
Peroxide chemistry
A neutralization–reionization mass spectrometric study of alkyl hydroperoxide cation radicals and four distinguishable $[C,H_3,O_2]^+$ isomers 173
Phosphorus
Ion–ion recombination of H_3O^+ with I^- and PO_3^-/PO_2^- in flames 49
Photoionization
Experimental and theoretical study of the photoionization and dissociative photoionizations of carbon tetrachloride 29
Plasma deposition
Electron impact ionization of tetramethylsilane (TMS) 65
Proton affinity
A relationship between the kinetics and thermochemistry of proton transfer reactions in the gas phase 37
Proton transfer
A relationship between the kinetics and thermochemistry of proton transfer reactions in the gas phase 37

Quadrupole filter
Determination of the ion transmission coefficient for a mass spectrometer with a quadrupole ion analyzer 139
Quadrupole ion trap
Resonance excitation in a quadrupole ion trap: modification of competing dissociative channel yields 101

Rate coefficients
The kinetics of the reactions of Cl^-, O^-, and O_2^- with HNO_3: implications for measurement of HNO_3 in the atmosphere 145
Resolution
Parameterization of a two-stage mass spectrometer performing second-order space focusing 23
Resonance excitation
Resonance excitation in a quadrupole ion trap: modification of competing dissociative channel yields 101

Secondary ions
A charge detector for time-of-flight mass analysis of high mass ions produced by matrix-assisted laser desorption/ionization (MALDI) 9
Selected-ion flow tube (SIFT)
Theoretical and experimental studies of F_3SiCO^+ and F_3SiOC^+ 161
Sensitivity
A charge detector for time-of-flight mass analysis of high mass ions produced by matrix-assisted laser desorption/ionization (MALDI) 9
Space focusing
Parameterization of a two-stage mass spectrometer performing second-order space focusing 23

Surface-induced dissociation
Surface-induced dissociation of benzene on a PFPE liquid insulator in a time-of-flight mass spectrometer 119
Synchrotron radiation
Experimental and theoretical study of the photoionization and dissociative photoionizations of carbon tetrachloride 29

Tandem mass spectrometry
Surface-induced dissociation of benzene on a PFPE liquid insulator in a time-of-flight mass spectrometer 119
Thermal ionization mass spectrometry
Efficient N-TIMS rhenium isotope measurements on outgassed tantalum filaments: very low filament blanks determined by a "standard addition" approach L7
Time-of-flight mass spectrometer
Surface-induced dissociation of benzene on a PFPE liquid insulator in a time-of-flight mass spectrometer 119
Time of flight
A charge detector for time-of-flight mass analysis of high mass ions produced by matrix-assisted laser desorption/ionization (MALDI) 9
Time-of-flight mass spectrometry
The formation and dissociation of the ozone dication 151
Studies on the production and stability of large C_N^+ and $M_x^+R_N$ (M = C, Si, Ge and R = Ar, Kr) clusters 129
Translational energy spectrum
Triple-electron capture by fast-moving doubly charged ions in single collisions with xenon atoms 57
Triple-electron capture
Triple-electron capture by fast-moving doubly charged ions in single collisions with xenon atoms 57
Two-stage mass spectrometer
Parameterization of a two-stage mass spectrometer performing second-order space focusing 23